

L4 ANSWER 36 OF 58 CAPLUS COPYRIGHT 2004 ACS on STN

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TI Resin compositions containing polyolefins and modified polyhydroxy hydrocarbon-based polymers and automobile parts from them

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SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM C08L023-00

ICS C08L023-00; B05D007-24; C08L023-16

ICI C08L023-00, C08L023-26

CC 38-3 (Plastics Fabrication and Uses)

Section cross-reference(s): 37, 39, 42

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08020678	A2	19960123	JP 1994-153577	19940705
	JP 3346035	B2	20021118		
PRAI	JP 1994-153577		19940705		

AB The compns. contain 100 parts polyolefins containing 15-80% elastomer components and 0.1-30 parts modified polyhydroxy hydrocarbon-based polymers, obtained by treatment of (A) polyhydroxy hydrocarbon-based polymers of number-average mol. weight 500-20,000 with (B) compds. having functional groups reactive with OH and polymerizable unsatn. in the mol. The automobile parts comprise products molded from the compns., on which coating films are directly formed. The compns. show good adhesion and coating property. Thus, 470 g **Polytail** HA (polyhydroxy hydrocarbon-based polymer) and 30 g Takenate TMI (m-isopropenyl- $\alpha,\alpha$ -dimethylbenzyl isocyanate) reacted in the presence of UL 22 (Sn catalyst) to give a modified polymer, 3 parts of which was melt-kneaded with 50 parts 4500J (**polypropylene**), 50 parts EP 57P (EPDM), and Perhexyne 25B, injection-molded, and coated with a paint showing high peel strength and flexural modulus.

ST polyolefin elastomer polyhydroxyhydrocarbon coating automobile

IT Automobiles

(resin compns. containing polyolefins, elastomers, and modified polyhydroxy hydrocarbon-based polymers for automobile parts showing good coating property and adhesion)

IT Plastics

RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(resin compns. containing polyolefins, elastomers, and modified polyhydroxy hydrocarbon-based polymers for automobile parts showing good coating property and adhesion)

IT Rubber, synthetic

RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(ethylene-ethylidenenorbornene-propene, JSR-EP 57P; resin compns. containing polyolefins, elastomers, and modified polyhydroxy hydrocarbon-based polymers for automobile parts showing good coating property and adhesion)

IT Alkenes, uses

RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

( $\alpha$ -, polymers, resin compns. containing polyolefins, elastomers, and modified polyhydroxy hydrocarbon-based polymers for automobile parts showing good coating property and adhesion)

IT 9003-07-0, **Polypropylene**

RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)

(4500J; resin compns. containing polyolefins, elastomers, and modified polyhydroxy hydrocarbon-based polymers for automobile parts showing good coating property and adhesion)

IT 2094-99-7DP, reaction products with **Polytail** HA 30674-80-7DP,

reaction products with **Polytail** HA . 88507-04-4DP,

**Polytail** HA, reaction products with unsatd. **isocyanates**

RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP

(Properties); TEM (Technical or engineered material use); PREP

(Preparation); USES (Uses)

(resin compns. containing polyolefins, elastomers, and modified polyhydroxy

hydrocarbon-based polymers for automobile parts showing good coating

property and adhesion)

IT 25038-36-2, Ethylene-ethylidenenorbornene-propene copolymer

RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or

engineered material use); USES (Uses)

(rubber; resin compns. containing polyolefins, elastomers, and modified

polyhydroxy hydrocarbon-based polymers for automobile parts showing

good coating property and adhesion)

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(FILE 'HOME' ENTERED AT 12:34:57 ON 01 JUN 2004)

FILE 'CAPLUS' ENTERED AT 12:35:48 ON 01 JUN 2004

L1 30311 S POLYBUTADIENE?  
L2 22180 S CHAIN END? OR END TERMIN? OR END UNIT? OR END GROUP?  
L3 94 S L1(4A)L2  
L4 157968 S POLYPROPYLENE OR PROFAX OR PROPYLENE ?POLYMER?  
L5 354 S L3 OR POLYTAIL?  
L6 260 S POLYTAIL?  
L7 222714 S ?URETHANE? OR ?ISOCYANATE?  
L8 17 S L7 AND L3  
L9 1 S L4 AND L8  
L10 94 S L4 AND L6  
L11 58 S L7 AND L10

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